

IN THE CLAIMS

1. (Currently amended) A recyclable adhesive or adhesive coating that is substantially tacky and forms a pressure-sensitive adhesive which is capable of bonding to a surface upon contact wherein the recyclable adhesive or adhesive coating comprising comprises a polymer which is soluble or dispersible in water and is attracted to fibers during paper recycling wherein the polymer comprises, wherein the polymer comprises

a) at least 5 to 40 mol % of cationic repeat units and a backbone;

b) a cationic monomer compound wherein the cationic monomer compound is 3-methacrylamidopropyltrimethylammonium chloride; and,

c) a second monomer compound copolymerizable with the cationic monomer compound wherein the second monomer compound is n-butyl acrylate; and wherein the adhesive or adhesive coating is attracted to fibers during paper recycling.

2. (Canceled)

3. (Withdrawn) The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive is a hot-melt adhesive capable of bonding to a surface when heated to above its melting point temperature.

4. (Withdrawn) The recyclable adhesive or adhesive coating of claim 3, wherein the hot melt adhesive is formed by reacting polyamide with epichlorohydrin.

5. (Canceled)

6. (Currently amended) The recyclable adhesive or adhesive coating of claim [[5]] 1, wherein the backbone compound is present in the amount of 60 to 95 mole % based on the polymer.

7. (Currently amended) The recyclable adhesive or adhesive coating of claim [[5]] 1, wherein the backbone compound is present in the amount of 80 to 90 mole % based on the polymer.

8. (Currently amended) The recyclable adhesive or adhesive coating of claim [[5]] 1, wherein the cationically charged monomer is present in the amount of 5 to 40 mole % based on the polymer.

9. (Currently amended) The recyclable adhesive or adhesive coating of claim [[5]] 1, wherein the cationically charged monomer is present in the amount of 8 to 25 mole % based on the polymer.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Withdrawn) The recyclable adhesive or adhesive coating of claim 5, wherein the polymer further comprises an internal cross-linker present in the amount of up to 2 mole %, based on the polymer.

14. (Withdrawn) The recyclable adhesive or adhesive coating of claim 13, wherein the polymer further comprises an internal cross-linker present in the amount of 0.1 to 1 mole %, based on the polymer.

15. (Withdrawn) The recyclable adhesive or adhesive coating of claim 13, wherein the internal cross-linker is chosen from at least one of ethylene glycol dimethylether, diallyl maleate, diallyl phthalate, divinyl benzene, and poly(ethylene glycol) di(meth)acrylate.

16. (Canceled)

17. (Canceled)

18. (Withdrawn) The recyclable adhesive or adhesive coating of claim 5, wherein the polymer further comprises up to 35 mole % based on the polymer of an uncharged water soluble monomer or macromer.

19. (Withdrawn) The recyclable adhesive or adhesive coating of claim 18, wherein the uncharged water soluble monomer or macromer is chosen from at least one of dialkylaminoethyl methacrylate, hydroxy alkyl (meth)acrylate, hydroxy alkyl vinyl ether, poly(ethylene glycol) (meth)acrylate, poly(ethylene glycol), glycerol, diethylenetriamine, polyethyleneimine, and combinations of these compounds.

20. (Withdrawn) The recyclable adhesive or adhesive coating of claim 5, wherein the adhesive further comprises a plasticizer to increase the flexibility of the adhesive.

21. (Withdrawn) The recyclable adhesive or adhesive coating of claim 5, wherein the adhesive further comprises a tackifier to render the adhesive tacky.

22. (Previously presented) The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a tape.

23. (Previously presented) The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a label.

24. (Previously presented) The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a paper coating.

25. (Previously presented) The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a self-adhesive stamp.

Claims 26-66 (canceled)